

**IT314 Software Engineering**  
**Group 12**  
**Black Box Testing**

**ADMIN SIDE:**

**1.Admin Login**

Username: admin

Password: Admin@123

<b>password</b>	<b>Expected output</b>	<b>Displayed output</b>	<b>Test case status</b>
Admin@123	Successfully directed to Admin page	Successfully directed to Admin page	Test case pass
Admin@123	Error message	Error message (Username cannot be empty)	Test case failed
-	Error message	Error message (Username cannot be empty)	Test case failed
admin@123	Error message	Error message (Invalid password)	Test case failed
Admin@123	Error message	Error message (Invalid username)	Test case failed
admin@123	Error message	Error message (Invalid username and password)	Test case failed

## 2.Add Operator

Constraints:

- VC1: The Operator name cannot be more than 14 characters
- VC2: The Operator name cannot be empty
- VC3: Description cannot be empty
- VC4: The logo image link cannot be empty

Mobile operator name	Description	Logo Image Link	Expected Output	Displayed Output	Test Case Status	Constraints covered
BSNL	xyz	abcd	Operator added successfully	Operator added successfully	Test Case pass	VC1, VC2, VC3, VC4
Jio	abcde	-	Error message	Error Message (Logo image link cannot be empty)	Test Case failed	VC4
Vi	-	efcgy	Error message	Error Message (Description cannot be empty)	Test Case failed	VC3
Airtel	-	-	Error message	Error message (Description and logo image link cannot be empty)	Test Case Failed	VC3, VC4

abc1234t alktime	xyz	abc	Error message	Error message (operator name more than 14 characters)	Test Case Failed	VC1
-	-	-	Error message	Error message( all three field are empty)	Test Case failed	VC2, VC3, VC4
-	xyz12abc	-	Error message	Error message ( name and logo link cannot be empty)	Test Case failed	VC2,VC4
-	-	123qe	Error message	Error message ( name and description cannot be empty)	Test Case failed	VC2,VC3
abc123tal ktime	-	-	Error message	Error message ( name and description cannot be empty)	Test Case failed	VC3,VC4
abcdeftalk time123	-	123qe	Error message	Error message ( name more than 14 characters and description cannot be empty)	Test Case failed	VC1,VC3

abcdeftalk time123	ertf	-	Error message	Error message ( name more than 14 characters and logo link cannot be empty)	Test Case failed	VC1,VC4
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### 3. Add plans

Constraints:

- VC1: Add plan name should be less than 25 characters
- VC2: Add plan name cannot be empty
- VC3: Add amount details should be a numeric value
- VC4: Add amount details should be less than 6 digits
- VC5: Add amount details cannot be empty

Add plan name	Add amount details	Expected Output	Displayed Output	Test Case status	Constraints covered
JioPlan	599	Plan added successfully	Plan added successfully	Test Case Pass	VC1, VC2, VC3, VC4, VC5
-	499	Error message	Error (plan name cannot be empty)	Test Case failed	VC2
JioPlan	-	Error message	Error (amount cannot be empty)	Test Case failed	VC5
-	-	Error message	Error (plan name and amount cannot be empty)	Test Case failed	VC2, VC5
JioPlan12345 abcdeghiopt	599	Plan added successfully	Plan added successfully	Test Case Pass	VC1, VC2, VC3, VC4, VC5

JioPlan12345 abcdefghiopt q	699	Error message	Error (plan name cannot be more than 25 characters)	Test Case failed	VC1
JioPlan	499rs	Error message	Error ( amount should be a numeric value)	Test case failed	VC3
JioPlan	590000	Error message	Error ( amount should less than 6 digits)	Test case failed	VC4
JioPlan12345 abcdefghiopt	99999	Plan added successfully	Plan added successfully	Test case passed	VC1,VC2,VC3,VC 4,VC5
Jioplandhand hanandhan1 234	499rs	Error message	Error (plan name should be less than 25 characters and amount should be numeric)	Test Case failed	VC1,VC3
-	49000000	Error message	Error(add plan should not be empty and amount should be less than 6 digits)	Test Case failed	VC2, VC4
-	499rs	Error message	Error(plan name cannot be empty and amount should be numeric)	Test Case failed	VC2,VC3

jioplan12345 678dhanerty w	-	Error message	Error( amount cannot be empty)	Test Case failed	VC5
jioplan12345 678dhanerty w1	-	Error message	Error(plan name should be less than 25 characters and amount cannot be empty)	Test Case failed	VC1,VC5

#### 4. Add offers

Constraints:

- VC1:Offer name cannot be empty
- VC2:Offer type cannot be empty
- VC3:Offer name should be less than 30 characters
- VC4:Offer type should be less than 20 characters
- VC5:Validity cannot be empty
- VC6:Description cannot be empty

Offer name	Offer type	Validity	Description	Expected output	Displayed output	Test case status	Constraints covered
nameoffer	xyz	abcd	qwert	Offer added	Offer added	Test case passed	VC1,VC2,VC3, VC4,VC5,VC6
-	XYabc	1qweyu	uytoip	Error message	Error message	Test Case failed	VC1
nameoffer	-	qwhgij	67thsom	Error message	Error message	Test Case failed	VC2
nameoffer	xyz	-	qwert	Error message	Error message	Test Case failed	VC5
nameoffer	xyz	abcd	-	Error message	Error message	Test Case failed	VC6
nameoffer	12345678	abcd	qwert	Offer	Offer	Test Case	VC1,VC2,VC3,

s1234567 89ioptuiop th	90uyioptq se			added	added	passed	VC4,VC5,VC6
nameoffer s1234567 89ioptuiop thq	12345678 90uyioptq see	abcd	qwert	Error message	Error message	Test Case failed	VC3,VC4
-	-	abcd	qwert	Error message	Error message	Test Case failed	VC1,VC2
nameoffer	qwert12	-	-	Error message	Error message	Test Case failed	VC5,VC6
-	qwert45rt	-	qwert	Error message	Error message	Test Case failed	VC1,VC5
-	fhgjtiy	abcd	-	Error message	Error message	Test Case failed	VC1,VC6
nameoffer	-	abcd	-	Error message	Error message	Test Case failed	VC2,VC6
-	-	-	-	Error message	Error message	Test Case failed	VC1,VC2,VC5, VC6
-	-	-	QWERTY	Error message	Error message	Test Case failed	VC1,VC2,VC5
nameoffer	-	-	-	Error message	Error message	Test Case failed	VC2,VC5,VC6
-	abcde	-	-	Error message	Error message	Test Case failed	VC1,VC5,VC6
-	-	qwert	-	Error message	Error message	Test Case failed	VC1,VC2,VC6
nameofff3 4er567jyik p1234567 1qa	abcde	-	-	Error message	Error message	Test Case failed	VC5,VC6,VC3
nameofff3 4er567jyik p1234567 1qa	abcde	-	qwert	Error message	Error message	Test Case failed	VC5,VC3

nameofff3 4er567jyik p1234567 1q	abcde12re nhijyu789l 3	qert	abcd	Error message	Error message	Test Case failed	VC4
12345678 90QWERTY UIOPDFGH NBIJHY	-	-	-	Error message	Error message	Test Case failed	VC3,VC2,VC5, VC6
-	qwertybghn ikjm56rvfA 2	-	-	Error message	Error message	Test Case failed	VC1,VC4,VC5 ,VC6
12345678 90QWERTY UIOPDFGH NBIJH	-	-	-	Error message	Error message	Test Case failed	VC2,VC5,VC6
-	qwertybghn ikjm56rvfA	-	-	Error message	Error message	Test Case failed	VC1,VC5,VC6

## USER SIDE:

### 1.Sign In

Constraints:

- VC1:The Email should already be registered first

Assumptions:

- The email "abc@gmail.com" is a registered email.
- The email "xyz@gmail.com" is not a registered email

Email ID	Expected Output	Displayed output	Test Case	Constraints covered
abc@gmail.com	The user is signed in	The user is signed in	Test case passed	VC1
xyz@gmail.com	The User is unable to sign in	Email not found. please register yourself first	Test case failed	VC1

### 2.Sign Up page

Constraints:

- VC1:Name cannot be empty
- VC2:Mobile number cannot be empty



- VC3:Email cannot be empty
- VC4:DOB cannot be empty
- VC5:Name should be less than 30 characters
- VC6:Mobile Number should contain 10 digits

Name	Mobile number	Email	DOB	Expected output	Displayed output	Test case status	Constraints covered
abcdefghij	7890564876	abc@gmail.com	13-01-2004	User is signed in	User is signed in	Test case pass	VC1,VC2,VC3,VC4,VC5,VC6
-	1234567890	ABC@gmail.com	23-09-2004	Error message	Error message	Test case failed	VC1
abctyuhj	-	xy@abc.com	14-08-2000	Error message	Error message	Test case failed	VC2
fndodf	1278659840	-	13-01-2004	Error message	Error message	Test case failed	VC3
gjidfpg	5678439867	abc@gmail.com	-	Error message	Error message	Test case failed	VC4
qwertgfhi pyuhnjbn moikjlhou ipkj	9687681344	abc@gmail.com	13-01-2004	Error message	Error message	Test case failed	VC5
priyanshi	12345678904	abc@gmail.com	23-09-2004	Error message	Error message	Test case failed	VC6
-	-	-	-	Error message	Error message	Test case failed	VC1,VC2,VC3,VC4
-	-	abc@gmail.com	23-09-2004	Error message	Error message	Test case failed	VC1,VC2
-	4567869086	-	23-09-2004	Error message	Error message	Test case failed	VC1,VC3
-	6785943244	abc@gmail.com	-	Error message	Error message	Test case failed	VC1,VC4
prihfbkkg	-	abc@gmail.com	-	Error message	Error message	Test case failed	VC2,VC4
jgdddioo	-	-	23-09-20	Error	Error	Test case	VC2,VC3

			04	message	message	failed	
dkfjuiofdj	5678438909	-	-	Error message	Error message	Test case failed	VC3,VC4
jdkfjdsir8er	-	abc@gmail.com	-	Error message	Error message	Test case failed	VC2,VC4
tyuhjnmbkioplrtghityubnkiuyhjuu	12345678901234	abc@gmail.com	23-09-2004	Error message	Error message	Test case failed	VC5,VC6
-	-	-	23-09-2004	Error message	Error message	Test case failed	VC1,VC2,VC3
ghfjiuyitr	-	-	-	Error message	Error message	Test case failed	VC2,VC3,VC4
-	-	abc@gmail.com	-	Error message	Error message	Test case failed	VC1,VC2,VC4
-	5678904576	-	-	Error message	Error message	Test case failed	VC1,VC3,VC4
tyuhjnmbkioplrtghityubnkiuyhjuu	-	-	-	Error message	Error message	Test case failed	VC5,VC2,VC3,VC4
-	12345678901234	-	-	Error message	Error message	Test case failed	VC1,VC3,VC4,VC6
tyuhjnmbkioplrtghityubnkiuyhjuu	12345678901234	-	-	Error message	Error message	Test case failed	VC5,VC6,VC3,VC4
poiuytlkhjnmbvftrewqasdzcvgghj	1234567890	abc@gmail.com	13-04-2006	User is signed in	User is signed in	Test case passed	VC1,VC2,VC3,VC4,VC5,VC6
FPRJDFN	5678907464	abc@gmail.com	13-04-2006	User is signed in	User is signed in	Test case passed	VC1,VC2,VC3,VC4,VC5,VC6

**Error:**

Sign Up page accepts invalid mobile numbers too

Name	Mobile number	Email	DOB	Expected output	Displayed output	Test case status
abcdef	0000000000	a@gmail.com	13-01-2004	Error message	User is signed in	Test case passed
dgjfkff	1111111111	b@gmail.com	01-01-2003	Error message	User is signed in	Test case passed

**3. Payment Mode****3.1 Debit Card**

Constraints:

- VC1: The Debit Card Number should be of 16 digits
- VC2: The CVV should be of 3 digits
- VC3: Expiry Date should be after the day the data is inputted (assumed date: 1-12-2023)
- VC4: The Debit Card Number cannot be empty
- VC5: The CVV cannot be empty
- VC6: Expiry date cannot be empty

Debit Card Number	CVV	Expiry date	Expected output	Displayed output	Test case status	Constraints covered
1234567890123456	123	1-12-2024	Payment successful	Payment successful	Test case passed	VC1,VC2,VC3, VC4,VC5,VC6,
-	123	1-12-2024	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4
1234567890123456	-	1-12-2024	Payment unsuccessful	Payment unsuccessful	Test case failed	VC5

1234567890123456	123	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC6
-	-	1-12-2024	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC5
1234567890123456	-	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC5,VC6
-	123	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC6
-	-	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC5,VC6
1234567890123456 7890576894	1234 5	2-11-2022	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2
12345678903456ER	12	2-12-2025	Payment unsuccessful	Payment unsuccessful	Test case failed	VC2
12345675	1	2-2-2024	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2
12345789012345RE E234	123	2-2-2028	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1
1234567890123456	1RR	2-2-2028	Payment unsuccessful	Payment unsuccessful	Test case failed	VC7,VC3
12345678RTYG	-	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC5,VC6
1528739248RT3949	-	2-2-2023	Payment unsuccessful	Payment unsuccessful	Test case failed	VC5,VC3
123457585585GHTY	123	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC6
-	12	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC2
-	1234	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC2,VC6
-	12E	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC6,VC2
123456789012345W	16Y	8-9-2007	Payment	Payment	Test case	VC1,VC2,VC3

			unsuccessful	unsuccessful	failed	
1234256567890324	12E	8-8-2025	Payment unsuccessful	Payment unsuccessful	Test case failed	VC2
3233948735EEE784	123	8-8-2025	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1
12137439483039004654785	12W	8-8-2022	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2,VC3
1253767239483999	123	1-12-2023	Payment unsuccessful	Payment unsuccessful	Test case failed	VC3
1234567890124356	12D	8-8-2008	Payment unsuccessful	Payment unsuccessful	Test case failed	VC3,VC2
1241244RTFG	1Q	8-8-2008	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2,VC3
JDKFJDGHFK67	11R	8-8-2028	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2
DJFHKIODFGUI#\$\$%	111	8-8-2028	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1
-	780	28-6-2023	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC3
1748596768547366	TY6	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC2,VC6
FJDKF58694039878	-	28-9-2003	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC5,VC3

### 3.2 Credit Card

Constraints:

- VC1: The Credit Card Number should be of 16 digits
- VC2: The CVV should be of 3 digits
- VC3: Expiry Date should be after the day the data is inputted (assumed date: 1-12-2023)
- VC4: The Debit Card Number cannot be empty
- VC5: The CVV cannot be empty
- VC6: Expiry date cannot be empty
- VC7: The credit card holder name should be less than 20 characters
- VC8: The credit card holder name cannot be empty

Debit Card Number	CVV	Expiry date	Credit card holder name	Expected output	Displayed output	Test case status	Constraints covered
1234567890123456	123	1-12-2024	-	Payment successful	Payment successful	Test case passed	VC1,VC2,VC,VC4,VC5,VC6,VC8
-	123	1-12-2024	djsfdfijfi	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4
1234567890123456	-	1-12-2024	reifhu8d	Payment unsuccessful	Payment unsuccessful	Test case failed	VC5
1234567890123456	123	-	dfjidfu	Payment unsuccessful	Payment unsuccessful	Test case failed	VC6
-	-	1-12-2024	fjdidifu	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC5
1234567890123456	-	-	ndfmfjk	Payment unsuccessful	Payment unsuccessful	Test case failed	VC5,VC6
-	123	-	nfkdjdfkfk knvkckc	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC6
-	-	-	qwertyuio plkjhgfsdfg	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC5,VC6,VC7
12345678901234567890576894	12345	2-11-2022	QWERTYU IOPLKJHG FDSA	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2
12345678903456ER	12	2-12-2025	fdtsydu	Payment unsuccessful	Payment unsuccessful	Test case failed	VC2
12345675	1	2-2-2024	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2,VC8

12345789012345 REE234	123	2-2-2028	dfhdsdos	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC1
12345678901234 56	1RR	2-2-2028	ghfgi	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC7,VC3
12345678RTYG	-	-	-	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC1,VC5,VC6 ,VC8
1528739248RT39 49	-	2-2-2023	qwertyu3 456	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC5,VC3
123457585585GH TY	123	-	sdfghj	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC6
-	12	-	-	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC4,VC2,VC8
-	123 4	-	dfgh	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC4,VC2,VC6
-	12E	-	-	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC4,VC6,VC2 ,VC8
12345678901234 5W	16Y	8-9-2007	qw	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC1,VC2,VC3
12342565678903 24	12E	8-8-2025	fvhjdnifu g65	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC2
3233948735EEE7 84	123	8-8-2025	bghfi	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC1
12137439483039 004654785	12 W	8-8-2022	-	Payment unsuccessf ul	Payment unsuccessf ul	Test case failed	VC1,VC2,VC3 ,VC8

1253767239483999	123	1-12-2023	rheiu	Payment unsuccessful	Payment unsuccessful	Test case failed	VC3
1234567890124356	12D	8-8-2008	dsuisdfh	Payment unsuccessful	Payment unsuccessful	Test case failed	VC3,VC2
1241244RTFG	1Q	8-8-2008	dfghj45	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2,VC3
JDKFJDGHFK67	11R	8-8-2028	sdfghjvn	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC2
DJFHKIODFGUI#\$\$%	111	8-8-2028	sdfgh	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1
-	780	28-6-2023	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC4,VC3,VC8
1748596768547366	TY6	-	-	Payment unsuccessful	Payment unsuccessful	Test case failed	VC2,VC6,VC8
FJDKF58694039878	-	28-9-2003	asdfghj	Payment unsuccessful	Payment unsuccessful	Test case failed	VC1,VC5,VC3

#### 4. Contact Us

Constraints:

- VC1:Name should be less than 30 characters
- VC2:Mobile Number should consist of 10 digits
- VC3:subject should be less than 20 characters
- VC4:message should be less than 50 characters
- VC5:Name cannot be empty
- VC6:Mobile Number cannot be empty
- VC7:subject cannot be empty
- VC8:message cannot be empty



Name	Mobile Number	subject	message	Expected output	Displayed output	Test case status	Constraints covered
qwerty	1234567890	rhfklofp	hfkjld	Form submitted	Form submitted	Test case passed	VC1,VC2,VC3,VC4,VC5,VC6,VC7,VC8
dhsidd	1234567	fghj	fghjk	Error	Error	Test case failed	VC6
feghjks	12348789054678	dfghjidjfe	bcdjfkjsd oi	Error	Error	Test case failed	VC6
qwertyuio plkjhhgfv bniuymhj kiol	12345678	-	-	Error	Error	Test case failed	VC1
-	1234567890	-	-	Error	Error	Test case failed	VC5,VC7,VC8
-	-	-	-	Error	Error	Test case failed	VC5,VC7,VC8,VC6
fdfjeori	12345	sdfghj1qwertyuioplkj	qwertyuioplkjmn hbvg6f5gryhj8iu knjmik0l okipfvgb hnjm	Error	Error	Test case failed	VC3,VC5
qwertyui	1234567890123456789	qwderftgyh ujikolmn	qwertyuioplkjmn hbvg6f5gryhj8iu knjmik0l okipfvgb hnj	Error	Error	Test case failed	VC2
qwefgyuik m	1234567890	qwderftgyh ujikolmnR	qwertyuioplkjmn hbvg6f5gryhj8iu knjmik0l okipfvgb hnj	Form submitted	Form submitted	Test case passed	VC1,VC2,VC3,VC4,VC5,VC6,VC7,VC8

-	-	SDFGHJKL	dfghvdcv bncvbnc vbndfg	Error	Error	Test case failed	VC5,VC6
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### 5. Feedback Form

Constraints:

- VC1:Name should be less than 30 characters
- VC2:Feedback should be less than 50 characters
- VC3:Name cannot be empty
- VC4:Feedback cannot be empty
- VC5:Email cannot be empty

Name	Email	Feedback	Expected output	Displayed output	Test case status	Constraints covered
qwertyui	abc@xyz.com	wertyui	Form submitted	Form submitted	Test case passed	VC1,VC2,VC3,VC4,VC5
QWERTYUIOPLKJHGFD SAZXC VBNMKJUIKHd gsuhdkjs	abc@xyz.com	qwertyuio plkjhnmb gtfuthtuty titjyiykyiy uyhjhkyiy uhjykyhih fgddbjdk dodue	error	error	Test case failed	VC1,VC2
-	-	-	Error	Error	Test case failed	VC3,VC4,VC5
-	-	QWERTYU IOqwerth yijukljhn mbgthyuj ikolikujiko lpswdefr	Error	Error	Test case failed	VC2,VC3,VC4
-	abc@xyz.com	QWERTYU IOqwerth yijukljhn mbgthyuj ikolikujiko lpswdef	Error	Error	Test case failed	VC3

